

LOCK-UP CLUTCH FOR TORQUE CONVERTER

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Inventor(s): SASADA HIDEKAZU; MORISHITA TATSUYA
Applicant(s): UNISIA JECS CORP
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Abstract

PURPOSE: To provide a lock-up clutch that can easily obtain an expected torsional characteristic without the generation of useless frictional force caused by the contact of a compression spring during operation.

CONSTITUTION: A lock-up clutch for a torque converter is provided with a piston 12 separable from a converter cover 3, a drive plate 21 connected to the piston 12, a clutch hub 22 connected to a turbine hub 5, a pair of compression springs 25 respectively accommodated in a plurality of apertures, formed in the positions corresponding to the drive plate 21 and the clutch hub 22, so as to allow the elastic relative rotation of the drive plate 21 and clutch hub 22, and a floating element 26 for making a pair of compression springs 25 act in series. A holding protrusion 33 covering a part on the peripheral side of the compression spring 25 so as to prevent the interference of the compression spring 25 with other members is attached to the floating element 26.

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